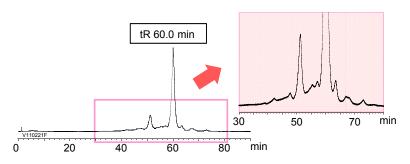


# HPLC DATA SHEET

Analysis of Monoclonal Antibody (MAb) Pharmaceuticals Using Non-Porous Type Ion Exchange Columns

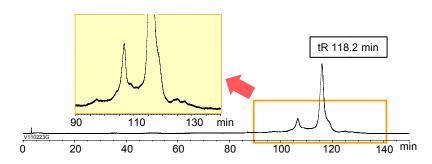
## [MAb Analysis on Non-Porous Type Cation Exchange Columns]

#### YMC-BioPro SP-F 5 µm, 100 X 4.6 mml.D.



Eluent : A) 20 mM MES-NaOH (pH 5.6) B) 20 mM MES-NaOH (pH 5.6) containing 0.2 M NaCl Initial gradient conc. 35%B (70 mM NaCl) : 0.25%B/min (0.5 mM NaCl) Gradient slope 0.5 mL/min for 100 X 4.6 mml.D. 0.378 mL/min for 250 X 4.0 mml.D. Temperature Detection : UV at 280 nm Sample : Humanized monoclonal IgG 1 Injection : 10 uL

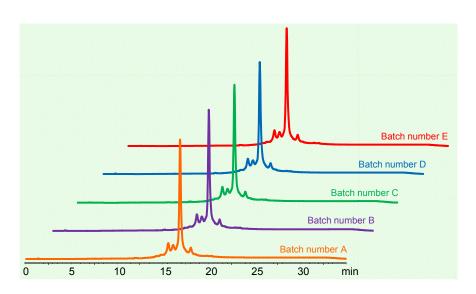
### Competitor WCX column 10 µm, 250 X 4.0 mml.D.



The separation of MAb is compared on SCX (YMC-BioPro SP-F) and WCX (competitor's) under the same gradient condition at pH 5.6.

YMC-BioPro SP-F column provides the higher resolution of MAb in shorter analysis time than the competitor column.

## [Excellent Batch-to-Batch Reproducibility – Ideal for QC of MAb]



YMC-BioPro SP-F column exhibits excellent batch-to-batch reproducibility on MAb analysis, and even on resolution of peaks for small charge variants. All the gel batches are inspected by various quality control tests including HPLC analysis of MAb, and must pass rigorous criteria before release. YMC-BioPro ion exchange columns are the best choice for the quality control of MAb and other biopharmaceuticals.